



2009261



## Monthly Progress Report

December 2004

**PacifiCorp**  
**3<sup>rd</sup> West Substation**  
**LA Remediation Project**

### Soil Remediation Phase

**Start Date:** 08/31/04

**End Date:** Pending

### Tasks Performed:

Champion finished the excavation inside the "main pit" on December 16, 2004. R&R continued taking bulk samples of contaminated soils at various depths and locations around the excavation, entering their locations on the site map and archiving the samples for later reference. R & R also had a new CAD drawing created showing the site as it now stands.

McFarland & Hullinger, Inc. hauled 451 truckloads each containing approximately 34 yards of contaminated soil (equaling 15,334 cubic yards) from the Substation to Grassy Mountain for disposal. Champion hauled 21 containers for disposal (from the air mover). These containers hold approximately 20 yards of wet soil, totaling approximately 420 yards. All trucking activities have currently ceased except the hauling of the air mover containers. Air mover operations and lightweight excavating equipment activities remain on going as part of the remediation process.

CDM collected clearance samples in five areas of the exclusion zone as they provided oversight as "EPA's representatives". All areas that do not have a protective barrier are clear except for the capacitor yard and the switchyard. CDM will provide clearance sampling at R & R and PacifiCorp's request. It was decided that full time oversight by CDM is no longer needed.

Champion started remediation of the contaminated soils in the capacitor yard. PacifiCorp personnel de-energized the capacitor yard prior to work activity. The remediation process is slow due to very wet "clay like" soil. Clogging of the air mover hose and adverse weather conditions are also impeding the process.

Contamination remains along the west wall of the capacitor yard. Depths up to 5 feet show visible signs of moderate to heavy contamination. Champion could not excavate

this area any deeper without jeopardizing the integrity of the supporting wall on the west side of the capacitor yard.

Champion laid a protective barrier in the areas that have remaining contamination (as per Work Plan section 5.3, subpart 5.3.1). Excavation depths ranging from 5 to 12 feet still have moderate to heavy contamination. PacifiCorp representatives have determined that this institutional control (demarcation of remaining contamination) is the best solution at this time. The barrier area covers approximately 7,500 square feet. Additional protective barriers will be placed on top of any additional contaminated surface in the substation as it is discovered. This will occur where the remediation process ceases due to depth, structural defacement, etc.

Bush & Guggell, Inc. conducted a site survey on December 21, 2004. David Wilson requested them to return to the site and make necessary revisions to the survey, including specific measurements and formatting not originally included. The survey now consists of depths, dimensions, substation component locations, etc.

Perimeter and OSHA (breathing zone) sampling continues to occur during work activity. Results have shown that engineering controls and work practices are effective during the remediation process to avoid airborne fiber concentrations.

Ken Duncan remains on site as PacifiCorp's electrical safety consultant for all electrical issues and questions that may arise.

#### **Planned Tasks for Next Month:**

Complete soil excavation in the capacitor yard, clean-up the crawlspace under the Control House, and have CDM collect clearances. Begin back fill and restoration process of the site.

#### **Issues Addressed:**

At David Wilson's instruction, R&R requested that Bush and Guggell complete the drawings of the survey.

Veins of vermiculite continue through to the property (AMPCO Parking) in two areas on the east side of the substation and on the corner near the decon unit (north center inset) See site drawing for exact locations.

EPA and PacifiCorp representatives notified the AMPCO property owner of the contamination. PacifiCorp opted to clean up three additional feet into the other property to insure that they did not leave residual contamination from their remediation process.

Champion, PacifiCorp, EPA, and R & R reviewed the site plans for routing trucks through the substation for the backfill process.

**Schedule Summary:**

Champion projected dates for the completion of removal and restoration of the site to be March 15, 2005.